

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L19</u>	117 and catalyst	32	<u>L19</u>
<u>L18</u>	L17 and without catalyst	0	<u>L18</u>
<u>L17</u>	L16 and isocyanate.ti.	39	<u>L17</u>
<u>L16</u>	L15 and l3	63	<u>L16</u>
<u>L15</u>	560/338 or 560/345	223	<u>L15</u>
<u>L14</u>	(formamide or amide) and carbonate and urethane	5	<u>L14</u>
<u>L13</u>	(formamide or amide) and carbonate and urethane and isocyanate	0	<u>L13</u>
<u>L12</u>	(formamide or amide) and carbonate and urethane and isocyanate and (decompos\$6 or thermoly\$6)	0	<u>L12</u>

DB=USPT; PLUR=YES; OP=ADJ

<u>L11</u>	L9 and decompos\$6	10	<u>L11</u>
<u>L10</u>	L9 and thermoly\$6	0	<u>L10</u>
<u>L9</u>	L8 and without catalyst	29	<u>L9</u>
<u>L8</u>	L7 and urethane and isocyanate	495	<u>L8</u>
<u>L7</u>	l3 and carbonate	6542	<u>L7</u>

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L6</u>	L3 and isocyanate	0	<u>L6</u>
<u>L5</u>	L3 and urethane and isocyanate	0	<u>L5</u>
<u>L4</u>	L3 and carbonate and urethane and isocyanate	0	<u>L4</u>
<u>L3</u>	560/\$ and (formamide or amide)	10767	<u>L3</u>
<u>L2</u>	L1 and catalyst	11	<u>L2</u>
<u>L1</u>	3960914	11	<u>L1</u>

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 39 returned.**☐ 1. Document ID: US 5990345 A

L17: Entry 1 of 39

File: USPT

Nov 23, 1999

US-PAT-NO: 5990345

DOCUMENT-IDENTIFIER: US 5990345 A

TITLE: Process for preparation of ethylenically unsaturated isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 5782966 A

L17: Entry 2 of 39

File: USPT

Jul 21, 1998

US-PAT-NO: 5782966

DOCUMENT-IDENTIFIER: US 5782966 A

TITLE: Isocyanate-derived materials for use in phase change ink jet inks

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5686645 A

L17: Entry 3 of 39

File: USPT

Nov 11, 1997

US-PAT-NO: 5686645

DOCUMENT-IDENTIFIER: US 5686645 A

TITLE: Synthesis of isocyanate precursors from primary formamides

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5451697 A

L17: Entry 4 of 39

File: USPT

Sep 19, 1995

US-PAT-NO: 5451697

DOCUMENT-IDENTIFIER: US 5451697 A

TITLE: Process for preparing isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5386057 A

L17: Entry 5 of 39

File: USPT

Jan 31, 1995

US-PAT-NO: 5386057

DOCUMENT-IDENTIFIER: US 5386057 A

TITLE: Process for the preparation of acyl isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 6. Document ID: US 5349081 A

L17: Entry 6 of 39

File: USPT

Sep 20, 1994

US-PAT-NO: 5349081

DOCUMENT-IDENTIFIER: US 5349081 A

TITLE: Process for preparing isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 7. Document ID: US 5319133 A

L17: Entry 7 of 39

File: USPT

Jun 7, 1994

US-PAT-NO: 5319133

DOCUMENT-IDENTIFIER: US 5319133 A

TITLE: Isocyanates and their preparation using hypochlorous acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 8. Document ID: US 5298651 A

L17: Entry 8 of 39

File: USPT

Mar 29, 1994

US-PAT-NO: 5298651

DOCUMENT-IDENTIFIER: US 5298651 A

TITLE: Process for preparing isocyanates using phosphazine catalysts

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 9. Document ID: US 5233010 A

L17: Entry 9 of 39

File: USPT

Aug 3, 1993

US-PAT-NO: 5233010

DOCUMENT-IDENTIFIER: US 5233010 A

TITLE: Process for preparing isocyanate and carbamate ester products

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc	Image
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☐ 10. Document ID: US 5189205 A

L17: Entry 10 of 39File: USPTFeb 23, 1993

US-PAT-NO: 5189205
DOCUMENT-IDENTIFIER: US 5189205 A
TITLE: Process for preparing isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc	Image
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L17: Entry 11 of 39

File: USPT

Nov 24, 1992

US-PAT-NO: 5166414

DOCUMENT-IDENTIFIER: US 5166414 A

TITLE: Process for producing isocyanate compound

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 5162575 A

L17: Entry 12 of 39

File: USPT

Nov 10, 1992

US-PAT-NO: 5162575

DOCUMENT-IDENTIFIER: US 5162575 A

TITLE: Preparation of isocyanates using a silver salt promoted rearrangement

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 5155267 A

L17: Entry 13 of 39

File: USPT

Oct 13, 1992

US-PAT-NO: 5155267

DOCUMENT-IDENTIFIER: US 5155267 A

TITLE: Synthesis of isocyanate precursors from primary formamides

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 5126480 A

L17: Entry 14 of 39

File: USPT

Jun 30, 1992

US-PAT-NO: 5126480

DOCUMENT-IDENTIFIER: US 5126480 A

TITLE: Isocyanate preparation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 5126476 A

L17: Entry 15 of 39

File: USPT

Jun 30, 1992

US-PAT-NO: 5126476

DOCUMENT-IDENTIFIER: US 5126476 A

TITLE: Process for the preparation of aryl-, heteroaryl-, or cycloalkyl-substituted alkyl urethanes and isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 16. Document ID: US 4769485 A

L17: Entry 16 of 39

File: USPT

Sep 6, 1988

US-PAT-NO: 4769485

DOCUMENT-IDENTIFIER: US 4769485 A

TITLE: Preparation of alkenoyl isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 17. Document ID: US 4683329 A

L17: Entry 17 of 39

File: USPT

Jul 28, 1987

US-PAT-NO: 4683329

DOCUMENT-IDENTIFIER: US 4683329 A

TITLE: Beneficial use of water in catalytic conversion of formamides to isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 18. Document ID: US 4620030 A

L17: Entry 18 of 39

File: USPT

Oct 28, 1986

US-PAT-NO: 4620030

DOCUMENT-IDENTIFIER: US 4620030 A

TITLE: Preparation of methyl isocyanate in a quartz reactor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 19. Document ID: US 4603016 A

L17: Entry 19 of 39

File: USPT

Jul 29, 1986

US-PAT-NO: 4603016

DOCUMENT-IDENTIFIER: US 4603016 A

TITLE: Cryogenic brine separation of water and isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
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☐ 20. Document ID: US 4537726 A

L17: Entry 20 of 39File: USPTAug 27, 1985

US-PAT-NO: 4537726
DOCUMENT-IDENTIFIER: US 4537726 A

TITLE: Multi-stage process with adiabatic reactors for the preparation of isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc	Image
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L17: Entry 21 of 39

File: USPT

Dec 11, 1984

US-PAT-NO: 4487713

DOCUMENT-IDENTIFIER: US 4487713 A

TITLE: Production of isocyanates from esters of aromatic carbamic acids (urethanes)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 22. Document ID: US 4469640 A

L17: Entry 22 of 39

File: USPT

Sep 4, 1984

US-PAT-NO: 4469640

DOCUMENT-IDENTIFIER: US 4469640 A

TITLE: Catalytic conversion of formamides to isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 23. Document ID: US 4430262 A

L17: Entry 23 of 39

File: USPT

Feb 7, 1984

US-PAT-NO: 4430262

DOCUMENT-IDENTIFIER: US 4430262 A

TITLE: Preparation of isocyanates and/or derivatives thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 24. Document ID: US 4322365 A

L17: Entry 24 of 39

File: USPT

Mar 30, 1982

US-PAT-NO: 4322365

DOCUMENT-IDENTIFIER: US 4322365 A

TITLE: Preparation of isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 25. Document ID: US 4301257 A

L17: Entry 25 of 39

File: USPT

Nov 17, 1981

US-PAT-NO: 4301257

DOCUMENT-IDENTIFIER: US 4301257 A

TITLE: Polyfunctional isocyanates free of alkali and urea groups

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 26. Document ID: US 4288382 A

L17: Entry 26 of 39

File: USPT

Sep 8, 1981

US-PAT-NO: 4288382

DOCUMENT-IDENTIFIER: US 4288382 A

TITLE: Reversible adducts of isocyanates with boron compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 27. Document ID: US 4285876 A

L17: Entry 27 of 39

File: USPT

Aug 25, 1981

US-PAT-NO: 4285876

DOCUMENT-IDENTIFIER: US 4285876 A

TITLE: Isocyanate adducts with .beta.-diketones

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 28. Document ID: US 4282167 A

L17: Entry 28 of 39

File: USPT

Aug 4, 1981

US-PAT-NO: 4282167

DOCUMENT-IDENTIFIER: US 4282167 A

TITLE: Conversion of amides to isocyanates via phase transfer catalysis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMC	Draw Desc	Image
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☐ 29. Document ID: US 4255350 A

L17: Entry 29 of 39

File: USPT

Mar 10, 1981

US-PAT-NO: 4255350

DOCUMENT-IDENTIFIER: US 4255350 A

TITLE: Process for preparing methyl isocyanate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 30. Document ID: US 4238404 A

L17: Entry 30 of 39

File: USPT

Dec 9, 1980

US-PAT-NO: 4238404

DOCUMENT-IDENTIFIER: US 4238404 A

TITLE: Process for the preparation of isocyanate derivatives of aliphatic, cycloaliphatic, and araliphatic compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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L17: Entry 31 of 39

File: USPT

Jun 10, 1980

US-PAT-NO: 4207251

DOCUMENT-IDENTIFIER: US 4207251 A

TITLE: Catalytic oxidation of formamides to form isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 32. Document ID: US 4192815 A

L17: Entry 32 of 39

File: USPT

Mar 11, 1980

US-PAT-NO: 4192815

DOCUMENT-IDENTIFIER: US 4192815 A

TITLE: Method of preparing isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 33. Document ID: US 4081472 A

L17: Entry 33 of 39

File: USPT

Mar 28, 1978

US-PAT-NO: 4081472

DOCUMENT-IDENTIFIER: US 4081472 A

TITLE: Process for preparation of aromatic isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 34. Document ID: US 4003938 A

L17: Entry 34 of 39

File: USPT

Jan 18, 1977

US-PAT-NO: 4003938

DOCUMENT-IDENTIFIER: US 4003938 A

TITLE: Manufacture of aliphatic isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 35. Document ID: US 3960914 A

L17: Entry 35 of 39

File: USPT

Jun 1, 1976

US-PAT-NO: 3960914

DOCUMENT-IDENTIFIER: US 3960914 A

TITLE: Conversion of formamides to isocyanates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 36. Document ID: JP 05065263 A

L17: Entry 36 of 39

File: JPAB

Mar 19, 1993

PUB-NO: JP405065263A

DOCUMENT-IDENTIFIER: JP 05065263 A

TITLE: METHOD FOR PRODUCING ISOCYANATE COMPOUND

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 37. Document ID: JP 05032608 A

L17: Entry 37 of 39

File: JPAB

Feb 9, 1993

PUB-NO: JP405032608A

DOCUMENT-IDENTIFIER: JP 05032608 A

TITLE: PRODUCTION OF ISOCYANATE COMPOUND

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Clip Img	Image
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☐ 38. Document ID: JP 05032607 A

L17: Entry 38 of 39

File: JPAB

Feb 9, 1993

PUB-NO: JP405032607A

DOCUMENT-IDENTIFIER: JP 05032607 A

TITLE: PRODUCTION OF ISOCYANATE COMPOUND

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Clip Img	Image
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☐ 39. Document ID: EP 436800 A1

L17: Entry 39 of 39

File: EPAB

Jul 17, 1991

PUB-NO: EP000436800A1

DOCUMENT-IDENTIFIER: EP 436800 A1

TITLE: Process for producing isocyanate compound.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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